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Collana	Programming and Software Engineering, , 2945-9168 ; ; 4753
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Soggetti	Education - Data processing Multimedia systems User interfaces (Computer systems) Human-computer interaction Artificial intelligence Application software Computers and Education Multimedia Information Systems User Interfaces and Human Computer Interaction Artificial Intelligence Computer and Information Systems Applications
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Full Papers -- From a Specific Tracking Framework to an Open and Standardized Attention Environment Based on Attention.XML -- Cross-System Validation of Engagement Prediction from Log Files -- Exploiting Policies in an Open Infrastructure for Lifelong Learning -- Proposing the Underlying Causes That Lead to the Trainee's Erroneous Actions to the Trainer -- Smart Indicators on Learning Interactions -- A Qualitative and Quantitative Evaluation of Adaptive Authoring of Adaptive Hypermedia -- Making Sense of IMS Learning Design Level B: From Specification to Intuitive Modeling Software -- Using MotSaRT to Support On-Line Teachers in Student Motivation -- LOCO-Analyst: A

Tool for Raising Teachers' Awareness in Online Learning Environments -- Supporting Incremental Formalization in Collaborative Learning Environments -- Exploiting Preference Queries for Searching Learning Resources -- How Do People Learn at the Workplace? Investigating Four Workplace Learning Assumptions -- E-Learning on the Social Semantic Information Sources -- Capturing, Management and Utilization of Lifecycle Information for Learning Resources -- Improving the Search for Learning Objects with Keywords and Ontologies -- Exploiting Context Information for Identification of Relevant Experts in Collaborative Workplace-Embedded E-Learning Environments -- Negotiating the Path from Curriculum Design to E-Learning Course Delivery: A Study of Critical Success Factors for Instructional Systems Design -- A Game-Based Adaptive Unit of Learning with IMS Learning Design and -- Relevance Ranking Metrics for Learning Objects -- Supporting Attention in Learning Environments: Attention Support Services, and Information Management -- Personalized Links Recommendation Based on Data Mining in Adaptive Educational Hypermedia Systems -- A MediaTheoretical Approach to Technology Enhanced Learning in Non-technical Disciplines -- MACE – Enriching Architectural Learning Objects for Experience Multiplication -- ICT Supported Interorganizational Knowledge-Creation: Application of Change Laboratory -- Theoretical Framework of the iCampFolio – New Approach to Comparison and Selection of Systems and Tools for Learning Purposes -- Evaluating the ALOCOM Approach for Scalable Content Repurposing -- Community Tools for Repurposing Learning Objects -- Building Domain Ontologies from Text for Educational Purposes -- Short Papers -- Organizational Learning at University -- FAsTA: A Folksonomy-Based Automatic Metadata Generator -- The Macro Design as an Own Task in WBT Production: Ideas, Concepts and a Tool -- Reasoning-Based Curriculum Sequencing and Validation: Integration in a Service-Oriented Architecture -- Curriculum Model Checking: Declarative Representation and Verification of Properties -- Workplace Learning: How We Keep Track of Relevant Information -- A Digital Library Framework for Reusing e-Learning Video Documents -- A Situation-Based Delivery of Learning Resources in Pervasive Learning -- Web Services Plug-in to Implement "Dispositives" on Web 2.0 Applications -- Flexible Processes in Project-Centred Learning -- A p2p Framework for Interacting with Learning Objects -- A Framework for the Automatic Generation of Algorithm Animations Based on Design Techniques -- The Development of TE-Cap: An Assistance Environment for Online Tutors -- KnowledgeBus – An Architecture to Support Intelligent and Flexible Knowledge Management -- IKASYS: Using Mobile Devices for Memorization and Training Activities -- Pedagogical Validation of Courseware -- Improving Authoring-by-Aggregation and Using Aggregation Context for Query Expansion.-Questioning Usability of Visual Instructional Design Languages: The Case of CPM.

Sommario/riassunto

You are holding more than 500 pages of combined wisdom on Technology Enhanced Learning (TEL) in your hands! With the advance of metadata, standards, learning objects, Web 2.0 approaches to rip, mix and burn learning, wikis, blogs, syndication, user-generated content, W-based video, games and the ubiquitous availability of computing devices we can and have to offer more flexible learning services on a global scale. As one of the objectives of the 7th Framework Program of the European Commission puts it: We need “responsive environments for technology-enhanced learning that motivate, engage and inspire learners, and which are embedded in the business processes and human resources management systems of organizations. ” An important challenge is to form a bridge between informal learning

strategies of the knowledge society and formal competence development programs of organizations. After the success of EC-TEL 2006, the 2nd European Conference on Technology Enhanced Learning (EC-TEL 2007) provided a unique forum for all research related to technology enhanced learning, including its interactions with knowledge management, business processes and work environments. This is a competitive and broad forum for technology enhanced learning research in Europe and world-wide through specialized workshops, the doctoral consortium and the main conference. EC-TEL 2007 provided unique networking possibilities for participating researchers throughout the week and included project meetings and discussions for ongoing and new research activities supported by the European Commission.
